

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 May 2003 (08.05.2003)

PCT

(10) International Publication Number
WO 2003/039098 A3

(51) International Patent Classification⁷: **H04L 29/06**

(21) International Application Number:
PCT/DK2003/000034

(22) International Filing Date: 20 January 2003 (20.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2002 00978 25 June 2002 (25.06.2002) DK

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(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,

CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

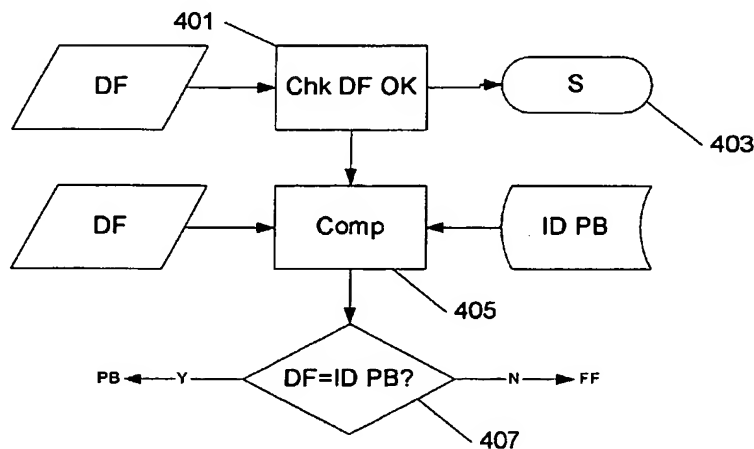
Published:

— with international search report
— upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)

(88) Date of publication of the international search report:
26 February 2004

[Continued on next page]

(54) Title: METHOD AND ADAPTER FOR PROTOCOL DETECTION IN A FIELD BUS NETWORK



(57) Abstract: The present invention relates to a field bus adapter for transmitting and receiving control data from a field bus network where data is being exchanged according to a specific field bus protocol, said adapter comprises a transmitter for transmitting data to the field bus network and a receiver for receiving data from the field bus network, characterised in that the adapter further comprises a protocol detector adapted for detecting a field bus protocol between a number of predefined field bus protocols and for setting up the receiver and the transmitter for communicating according to said detected field bus protocol. The protocol detector comprises means for receiving data from the field bus, means for determining if the received data complies with predefined characteristics stored in a database, said characteristics uniquely identifying data of only one of said number of predefined field bus protocols, means for setting up the receiver and the transmitter for communicating according to said one protocol, if said received data complies with said characteristics. The invention further relates to a method for transmitting and receiving control data from a field bus network according to the above.

WO 2003/039098 A3



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EPK 03/00034

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	EP 0 713 310 A (CANON INFORMATION SYST INC) 22 May 1996 (1996-05-22) column 1, line 3-7 column 1, line 35-54 column 2, line 24-50 column 3, line 1-5 column 12, line 40-47 column 16, line 50 -column 17, line 45 column 18, line 31-37 column 19, line 3,4 column 19, line 48-52 abstract; figures 10,11A	1-15

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

1 April 2003

Date of mailing of the international search report

23. 04. 2003

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/OK 03/00034

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

International Application No

P03/00034

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